

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany	REPORT	
SUBJECT	Elektrochemisches Kombinat Bitterfeld, Total 1953 Production	DATE DISTR.	4 May 1954
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		REFERENCES	25X1

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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Product ¹	Unit of Measurement	Total Production	Distributed
<u>SOUTH WORKS</u>			
1. <u>Inorganic Department</u>			
Caustic soda lye	tons	21,175	16,114
Caustic potash lye	tons	23,685	2,294
Caustic potash solid (tech)	tons	5,120	5,094
Chlorine gaseous	tons	32,533	"
Chlorine liquid	tons	8,947	5,708
Hydrogen uncompressed	1,000 m ³	19,407	"
Hydrochloric acid	tons	31,522	18,532
Calcium chloride lye	tons	4,430	3,723
Potassium chlorate) Sodium chlorate)	tons	19,360	19,282

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STATE	x	ARMY	x	NAVY	x	AIR	x	FBI		AEC		ORR Ev	x		
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(Note: Washington Distribution Indicated By "X". Field Distribution By "#")

25 YEAR RE-REVIEW

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-2-

25X1

Product	Unit of Measurement	Total Production	Distributed
Agrosan	tons	147	147
Wegerein	tons	452	452
Anforstan	tons	148	148
Potassium dichromate	tons	5,092	2,900
Chromic acid	tons	446	446
Basochrom	tons	969	969
Chrome alum	tons	185	187
Chromic oxide	tons	143	131
Potassium carbonate	tons	10,528	10,521
Graphite electrodes for chemical industry	tons	2,770	987
Graphite electrodes for metal industry	tons	11,040	11,040
Pure yellow phosphorus ²	tons	2,012	1,309
Red phosphorus	tons	147	145
Ferrophosphorus	tons	266	266
Barium chloride	tons	903	774
Titanium dioxide	tons	1,451	1,292
Potassium permanganate	tons	2,342	2,342
Acid-fast putty	tons	1,496	1,496
Oxygen	1,000m ³	1,386	839
Nitrogen (compressed)	1,000m ³	192	192
Compressed air	1,000m ³	28	28
Generator tar	tons	2,126	2,126
Coal-tar oil	tons	1,019	535
Igurit heat exchanges to 10 m ²	articles	161	161
Igurit heat exchanges over 10m ²	articles	123	123
Quicklime	tons	4,455	456
Boric acid crystallized	tons	36	41
Thawing agents	tons	123	123

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25X1

-3-

Product	Unit of Measurement	Total Production	Distributed
Boron carbide medium and fine	kg	655	434
Dried carnallite	tons	69	69
Iron chloride	tons	499	500
Elrasal	tons	305	305
Treated graphite	tons	5	5
Graphite powder	tons	247	189
Potassium sulphate	tons	89	56
Silicic acid	tons	68	-
Colloidal graphite	tons	9	9
Manganese carbonate	tons	18	19
Manganese chloride (aq.)	tons	7	4
Manganite	tons	222	211
Weldon mud	tons	259	235
Phosphorus kiln dust	tons	311	311
Potash lye	tons	15	15
Enamel	tons	3	3
Tisil	tons	163	163
Manganese chloride (anh.)	tons	1	1
2. Nitrogen Department			
Nitric acid (unrefined)	tons	21,828 ³	-
Calcium ammonium nitrate	tons	184,764	-
(Nitrogen content)	tons	37,743	37,743
Ammonium nitrate (tech)	tons	15,161	-
(Nitrogen content)	tons	5,306	5,306
Sodium nitrite/nitrate lye	tons	2,166	2,170
3. Organic Department			
Chlorobenzene	tons	4,743	1,362
Ortho-dichlorobenzene	tons	210	191

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-4-

25X1

Product	Unit of Measurement	Total Production	Distributed
Para-dichlorobenzene	tons	332	332
Lighter fuel	1,000 bota	505	505
Phosphorus trichloride (crude)	tons	2,307	-
Phosphorus trichloride (pure)	tons	220	199
Phosphorus oxichloride	tons	2,267	5
Benzotrichloride (crude)	tons	614	-
Benzyl- and benzylene chloride	tons	209	211
Cesarol	tons	4,049	3,996
Tricresylphosphate	tons	3,830	2,456
Triphenylphosphate	tons	114	92
Benzoic acid	tons	259	259
Carbon tetrachloride	tons	6,160	6,160
Sulphur in lumps	tons	2,496	2,495
Chloral	tons	2,569	485
HCC active material	tons	19.6	1.5
Duplexan) Hexitan) Silvexan)	tons	1,685	1,685
Hexitol	tons	7	7
Duplexol	tons	11	11
Duplinon	tons	22	22
Aerosol	tons	8	8
Oxalic acid (cryst.)	tons	1,941	1,877
Calcium formate	tons	2,205	157
Formic acid	tons	1,017	936
Kofa salt	tons	165	165
Methylene chloride	tons	58	37
Hydrochloric acid	tons	7,078	6,479
Benzene, last returns	tons	18	18

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-5-

25X1

Product	Unit of Measurement	Total Production	Distributed
Benzene, first returns	tons	21	21
Benzoyl chloride	tons	6	6
Chloralhydrate	tons	3	3
Chloroform (tech.)	tons	17	21
Sulphur chloride	tons	7	7
Etingal	tons	2	2
Pentol ⁴	tons	489	489
Phosphorus pentachloride	tons	16	16
Silvexol	tons	1	1
Triethylphosphate	tons	5	5
Softening agent for paints	tons	51	51
4. <u>Plastic Department</u>			
Igelit P.C.U.	tons	4,234	128
Igelit P.C.	tons	1,333	1,161
Vinidur semifinished material			
-foil	tons	2,439	818
-tubes and bars	tons	581	440
-welding rods	tons	27	25
-plates and blocks	tons	65	2
Igelit semifinished material			
-sheet	tons	1,514	711
-pressed sheet	tons	265	266
-soles	tons	384	384
-injection and press material	tons	771	770
-gasket material	tons	40	40
-hose, pipes, etc.	tons	199	199

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-6-

25X1

Product	Unit of Measurement	Total Production	Distributed
Igelit products			
-floor and furniture covering	1,000m	1,249	1,249
-printed tablecloths	1,000 pieces	1,128	1,128
-printed tablecloths by the meter	1,000m	18	18
-embossed tablecloths	1,000 pieces	244	244
-adhesive solutions	tons	403	403
-paint bases	tons	831	831
-pastes	tons	5,027	3,011
-boots	1,000 pairs	481	481
-shoes	1,000 pairs	85	85
-pre-set soles	tons	443	-
-sprayed soles	tons	923	840
-soles and heels	tons	182	182
-special orders	tons	40	40
Vinidur products			
-pressed parts	tons	39	39
-mountings etc.	tons	261	289
-pressed containers	tons	89	89
-packing cases	tons	605	605
-gutters and rain pipes	tons	556	556
-aprons, etc.	1,000 pieces	453	453
-typewriter covers	articles	1,201	1,201
-sacks	articles	46,819	46,819
-bags	articles	3,050	3,050
-special orders	tons	7	7
<u>Zscherndorf Factory</u>			
Floor and furniture coverings	1,000m ²	932	932

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-7-

25X1

Product	Unit of Measurement	Total Production	Distributed
Igelit products	tons	2	2
Igelit semifinished material	tons	41	41
Sheets	tons	269	269
<u>NORTH WORKS</u>			
1. <u>Chemical Department</u>			
Caustic soda lye	tons	45,640	34,698
Caustic soda solid (tech.)	tons	8,790	5,203
Gaseous chlorine	tons	39,005	-
Liquid chlorine	tons	10,450	6,662
Hydrogen uncompressed ⁵	1,000m ³	1,597	-
Hydrogen compressed	1,000m ³	721	721
Barium carbonate	tons	1,839	1,197
Hormit spray	tons	158	105
Hormin dust	tons	962	962
Caustic potash solid with low chlorine content	tons	1,727	1,726
Caustic potash solid (tech.)	tons	1,233	1,233
Chloride of lime	tons	2,944	2,926
Sodium hydroxide bleaching lye (Natron Bleichlauge)	tons	8,502	8,291
Tooth paste	1,000 tubes	2,332	2,332
Siliron and trosilin	tons	22,952	22,860
Synthetic precious stones Grades I and II	kg.	3,332	3,332
Soup flavoring	tons	928	946
Granulated soup	tons	385	385
Soup cubes	tons	258	258
Sauce cubes	tons	115	115
Albumin powder	tons	689	673
Cerium spark metal	tons	9	9

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-8-

25X1

Product	Unit of Measurement	Total Production	Distributed
Calcium-aluminum alloy	tons	47	47
Bearing metal (production)	tons	116	116
Bearing metal (processing)	tons	587	587
Chromium metal	tons	-	-
Ferrochromium	tons	801	796
Ferromolybdenum	tons	-	-
Ferrotitanium	tons	81	78
Molybdenum (chem. pure)	tons	7	7
Tungstic acid	tons	49	33
Tungsten metal	tons	13	13
Sulphuric acid (regenerated)	tons	1,663	1,423
Alkaline filling material	tons	85	86
Aluminum-nickel powder	kg.	2,569	2,569
Aluminum oxide	kg.	1,053	1,053
Arndt's alloy (used in nitrogen production) ⁶	kg.	400	400
Barium metal	kg.	906	906
Paste powder W	tons	15	15
Calcium chloride powder 95%	tons	624	524
Calcium chloride powder 85%	tons	4	-
Cobalt metal powder	kg.	11,514	11,514
Cobalt oxalate (for catalysts)	kg.	4,531	-
Cobalt sulphate	tons	3	3
Synthetic precious stones Grade III	kg.	2,671	2,671
Magnesium-nickel alloy	tons	7	7
Magnesium powder (processing)	tons	16	16
Molybdenum (roasted)	kg.	1,350	1,350
Molybdenum metal (tech.	kg.	314	314

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-9-

25X1

Product	Unit of Measurement	Total Production	Distributed
Molybdcic acid	kg.	43	43
Nickel metal powder (processing)	kg.	1,262	1,262
Phosphorus-copper alloy (processing)	kg.	600	600
Tungstite (WO ₃)	tons	14	14
2. <u>Metal Department</u>			
Foundry aluminum	tons	16,310	6,797
Molds of foundry aluminum	tons	887	887
Processed foundry aluminum (Hydr. alloy)	tons	1,037	748
Purest aluminum	tons	291	275
Aluminum powder	tons	940	71
Aluminum alloys from scrap	tons	433	-
Aluminum alloy castings from scrap	tons	4,956	4,382
Hydronalium alloys	tons	613	212
Silicon alloys from foundry aluminum	tons	565	565
Slabs of aluminum alloys	tons	570	-
Molds of aluminum alloys	tons	8,205	1
Semifinished trace press products of aluminum alloys	tons	6,159	6,010
Die press products of aluminum alloys	tons	52	53
Aluminum alloy castings	tons	1,114	1,111
Magnesium alloys from scrap	tons	853	641
Molds from magnesium alloys	tons	25	-
Semifinished trace press products of magnesium alloys	tons	19	19
Magnesium alloy castings	tons	29	19

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-10-

25X1

Product	Unit of Measurement	Total Production	Distributed
Vinidur buckets	1,000 articles	234	234
Welding alloys	tons	181	181
Steel mold castings	tons	726	726
Magnet alloys	tons	133	133
Aluminothermic manganese	tons	41	24
Ferromolybdenum	tons	91	91
Ferrotitanium	tons	24	19
Ferrovandium	tons	29	29
Ferrotungsten	tons	300	300
Special iron powder	tons	38	38
Boilers	tons	48	48
Cast iron	tons	6	5
Copper-phosphorus (processing) alloys	tons	17	17
Light metal electrodes	tons	9	9
Aluminum-iron alloys	tons	5	5
Bronze	tons	1	1
Welding powder) Autogal)	tons	3	2
De varda reducing alloys for alkaline solutions ?	kg.	200	200
Processed aluminum slabs	tons	92	92

Comments:

25X1

1. The data given here includes the entire production of the plant up to the end of 1953. Planned totals were reached in most lines; the few exceptions were a result of lack of demand for the product in question.
2. The raw material for this product comes from Piesteritz; none is imported from the USSR.
3. This figure represents production calculated on the nitrogen content, i.e. about 20% of the total weight of crude acid.
4. Used for impregnating railway sleepers.

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-11-

25X1

5. The figure for uncompressed hydrogen production at the North Works (1,597 m³) does not tally with the figure for production up to 30 September 1953 [] or the original plan figure of 11,350 m³. 25X1
6. This alloy consists of 60% magnesium, 40% copper, and is used in chemical analysis. 25X1
7. This alloy consists of 40% copper, 50% aluminum, 10% tin, and is used in chemical analysis.

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